

What is claimed is:

1. A rotor of a dynamo-electric machine comprising:  
a rotor coil for generating magnetic flux; and  
a pole core provided so as to cover the rotor coil, the pole  
core comprising a first pole core body and a second pole core  
body formed with tooth-shaped magnetic poles projecting  
therefrom so as to mesh alternately with each other,  
magnetic elements, the magnetic elements comprising  
magnets disposed on both side surfaces of the tooth-shaped  
magnetic poles for reducing magnetic flux leakage from between  
the side surfaces of the adjacent tooth-shaped magnetic poles,  
and a magnet retaining member for supporting the magnets on  
the tooth-shaped magnetic pole; and  
resin members filled between opposed surfaces of the  
magnetic elements.
2. A rotor of a dynamo-electric machine according to Claim  
1, wherein the distance between the opposed surfaces of the  
adjacent magnetic elements is larger on the side of the outer  
periphery of the rotor than the side of the inner periphery  
thereof.
3. A rotor of a dynamo-electric machine according to  
Claim 1, wherein the opposed surfaces of the adjacent magnetic  
elements are disposed in parallel.
4. A rotor of a dynamo-electric machine according to

Claim 1, wherein the thickness of resin layer formed by filling a resin member is larger at the portion between the opposed surfaces of the magnetic elements than the thickness of the resin layer formed at other portions.

5. A rotor of a dynamo-electric machine according to Claim 1, wherein fixation between the magnetic elements and the resin members is reinforced by increasing roughness of the surfaces of the magnet retaining members.

6. A rotor of a dynamo-electric machine according to Claim 1, wherein entrance of the resin between the magnetic elements is facilitated by forming grooves on the opposed surfaces of the magnetic elements.

7. A rotor of a dynamo-electric machine according to Claim 1, wherein the magnetic elements and the inner peripheral surfaces of the tooth-shaped magnetic poles are fixed in the adhered state.

8. A rotor of a dynamo-electric machine according to Claim 1, further comprising a restraining member for preventing the magnetic elements and the tooth-shaped magnetic poles from opening radially outwardly when rotating.

9. A rotor of a dynamo-electric machine according to Claim 1, wherein the resin member to be filled between the magnetic elements is also filled between the magnets and the tooth-shaped magnetic poles, between the magnets and the magnet retaining members, between the magnetic elements and the

restraining members, and between the tooth-shaped magnetic poles and the restraining members.